000 0 000 0 000 0 000 0 000 0			PPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPP	\$	YYY YYY YYY YYY YYY YYY YYY YYY YYY YY
000 U 000 U 000 U 000 U 000 U		111 111 111 111 111 111	PPP PPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPP	\$\$\$ \$\$\$\$\$\$\$\$\$\$\$\$ \$\$\$\$\$\$\$\$\$\$ \$\$\$\$\$\$\$\$\$\$	**************************************
UUU U	JUU	††† ††† ††† ††† ††† †††	PPP PPP PPP PPP PPP	\$\$\$ \$\$\$ \$\$\$ \$\$\$ \$\$\$\$\$\$\$\$\$\$\$\$\$ \$\$\$\$\$\$\$\$	YYY YYY YYY YYY YYY YYY



SAT VO4

SAT VO4

Page

0

.TITLE SATSSFO4 - SATS SYSTEM SERVICE TESTS (FAILING S.C.)

SAT

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FACILITY: SATS SYSTEM SERVICE TESTS

ABSTRACT: THE SATSSFO4 MODULE TESTS THE EXECUTION OF CERTAIN VMS SYSTEM SERVICES, INVOKED IN SUCH A WAY AS TO EXPECT FAILING STATUS CODES. THE SYSTEM SERVICES TESTED AND THE STATUS CODES EXPECTED ARE SUMMARIZED AS ARGUMENTS TO THE TESTSERV MACROS WHICH APPEAR NEAR THE END OF THIS LISTING. SUCCESSFUL STATUS CODES ARE TESTED IN OTHER MODULES.

ENVIRONMENT: USER MODE IMAGE; NEEDS CMKRNL PRIVILEGE. DYNAMICALLY ACQUIRES OTHER PRIVILEGES, AS NEEDED.

AUTHOR: THOMAS L. CAFARELLA, CREATION DATE: MMM, 1978 PAUL D. FAY (DISPSERV & TESTSERV MACROS)

MODIFIED BY:

: VERSION

01

467 489 50

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- SATS SYSTEM SERVICE TESTS (FAILING S. 16-SEP-1984 00:32:49 VAX/VMS Macro VO4-00 DECLARATIONS 5-SEP-1984 04:27:42 [UETPSY.SRC]SATSSF04.MAR;1
                                                                                                                                                                                     Page
                                                       .SBTTL DECLARATIONS
                                        : INCLUDE FILES:
                                                       SPRVDEF
                                                                                                                   : SYMBOL DEFS FOR PRIVILEGES
                                                       SUETPDEF
                                                                                                                    UETP MSG CODE DEFINITIONS
                                                       $SHR_MESSAGES UETP, 116, << TEXT, INFO>>
                  DEFINE UETPS TEXT GET RID OF MACRO DEFINITIONS
                                 60
61
62: MACROS:
63:
64:
65: EQUATED SYM
66:
67 WARNING
68 SUCCESS
69 ERROR
70 INFO
71 SEVERE
72 TCG_NO
73 GRP_TOTAL
74 RO_THRU_SP
75 ASTADR_STM
76 DAYTIM_STM20
77 TIMADR_GTT10
78 TIMBUF_NMT10
79 TIMADR_NMT20
81: ***** VITH
82: ***** VITH
83: ***** SYMB
84: ***** SYMB
85 PHD$Q_PRIVMSK
86 PCB$L_UIC
87 STS$V_INHIB_M
88
90: OWN STORAGE
                                        : EQUATED SYMBOLS:
                                                                 ; TIMADR ARG FOR NUMTIM (LOCATION 1)
                                          ***** THE FOLLOWING ASSIGNMENTS (IN PHD, PCB, STS) ARE BEING MADE ***** WITHOUT REFERENCE TO $PHDDEF, $PCBDEF, $STSDEF BECAUSE OF ***** SYMBOL TABLE OVERFLOW. FIX THIS WHEN MORE TABLE SPACE AVAILABLE.
00000000
00000020
0000001c
                                      PHD$Q_PRIVMSK = 0 : PRIV MASK OFFSET INTO PHD
PCB$L_UIC = ^X20 : UIC OFFSET INTO PCB
STS$V_INHIB_MSG = ^X1C : INHIBIT_MSG BIT NUMBER IN MSG CODE
                                           OWN STORAGE:
```

```
RODATA, RD, NOWRT, NOEXE, LONG
.WORD ^M<R2,R3,R4,R5,R6,R7,R8,R9,R10,R11,AP,FP> ! ^X8000 -
; REG COMPARE MASK (HIGH-ORDER ...
                    00000000
FC 0000
0002
0002
0002
0006
00077
                                        REG_COMP_MASK: .WORD
                 BFFC
                                                                                                        BIT MUST BE ON
                                98 TEST_MOD_NAME: STRING
99 TEST_MOD_BEG: STRING
100 TEST_MOD_SUCC: STRING
101 TEST_MOD_FAIL: STRING
102 TEST_MOD_NAME_D: STRING
103 TTNAME:
104 INAME:
                                        ERR_MSG_FAOCTL: STRING I,<!/!AC!1ZB!1ZB:
<; BEFORE SERVICE CALL: !
TEST_MOD_NAME: STRING C,<SATSSF04> ;
                                                                                                  REGISTER ! 2UW CONTENTS ALTERED>, -
                                                                                                         AFTER SERVICE CALL: !8XL>
                                                                                                  TEST MODULE NAME
DISPOSITION FIELD OF TEST MOD MSG
                                                                          C.<begun>
                                                                                                  DISPOSITION FIELD OF TEST MOD MSG
                                                                          C.<successful>
C.<failed>
                          0088
                                                                                                  DISPOSITION FIELD OF TEST MOD MSG
                          008F
                                                                                                   TEST MODULE NAME DESCRIPTOR
                                                                         I, <SATSSF04>
                                                                                                  TERMINAL LOGICAL NAME; PAGE ADDRESS OF NOACCESS PSECT
                                                                          1.<11>
00000000,000000000
                                                                          NÓACCESS, NOACCESS
                                    105 PROT:
            00000000
                         00B1
                                                                          PRTSC_NA
                                                                                                  PROTECTION CODE FOR NOACCESS PSECT
                                                               .LONG
                                   105 PROT:

106 ONES:

107 EFN_STM:

108 EFN_STM10:

109 DAYTIM_STM:

110 REQIDT_STM:

111 TIMADR_GTT11:

112 TIMBUF_NMT11:

113 TIMADR_NMT:

114 TIMADR_NMT:
FFFFFFF
            FFFFFFFF
                          00B5
                                                               .LONG
                                                                                                   A QUADWORD OF 1-BITS
            0000002B
                          OOBD
                                                               .LONG
                                                                                                   EFN ARGUMENT FOR SETIMA
                                                               . LONG
                                                                          *XFFFFFFF
             FFFFFFF
                                                                                                   EFN ARGUMENT FOR SETIMR
00000000
                                                               .LONG
            00000000
                                                                          0.0
                                                                                                  DAYTIM ARGUMENT FOR SETIMR
            00000000
                                                               .LONG
                                                                                                   REGIDT ARGUMENT FOR SETIMR
            000000D9
                          00D1
                                                               .BLKQ
                                                                                                   TIMADR ARGUMENT FOR GETTIM
            000000E7
                          00D9
                                                               .BLKW
                                                                                                   TIMBUF ARGUMENT FOR NUMTIM
00000000 00000000
                          00E7
                                                               .LONG
                                                                          0.0
                                                                                                   TIMADR ARGUMENT FOR NUMTIM
                                                                          -1,-<60*24*10000>/7
FFE09C4A FFFFFFF
                                         TIMADR_NMT23:
                                                               . LONG
                                                                                                   TIMADE ARGUMENT FOR NUMTIM
                                                                                                  (10,000 DAYS IN ... 100-NANOSECOND UNITS)
                          00F7
00000000 00000000
                                   118 TIMADR ATM:
119 TIMADR ATM30:
                                                               . LONG
                                                                                                   TIMADR ARGUMENT FOR ASCTIM
                                                                          -1,-<60+24+10000>/7
                                                               .LONG
FFE09C4A FFFFFFFF
                          OOFF
                          0107
                                                                                                   TIMADR ARGUMENT FOR ASCTIM
                                                                                                  (10,000 DAYS IN ... 100-NANOSECOND UNITS)
                          0107
                          0107
                                                                                               21:46:00.00>
            00000001
                                        CVTFLG_ATM:
TIMBUF_BTM:
                          0107
                                                                LONG 1
                          010B
012B
012B
                                                                         I.<25-DEC-1973
                                                               STRING
                                                                                               : TIMBUF ARGUMENT FOR BINTIM 21:46:00.00>
                                   126 TIMBUF_BTM10:
                                                               STRING
                                                                         I,<25-DEC-0001
                          014B
                                                                                                  TIMBUF ARGUMENT FOR BINTIM
                                                                                                21:61:00.00>
                          014B
                                                                          1,<25-DEC-1973
                                        TIMBUF_BTM11:
                                                               STRING
                          016B
                                                                                               TIMBUF ARGUMENT FOR BINTIM 09:14:21.33>
                          016B
                                    130 TIMBUF_BTM12:
                                                                          I.<29-FEB-1973
                                                               STRING
                                                                                                  TIMBUF ARGUMENT FOR BINTIM
                          018B
01A4
                                                               STRING 1,<0347 25:10:20.31>
                                         TIMBUF_BTM13:
                                                                                                ; TIMBUF ARGUMENT FOR BINTIM
```

- SATS SYSTEM SERVICE TESTS (FAILING S. 16-SEP-1984 00:32:49 VAX/VMS Macro V04-00 Page 4 DECLARATIONS 5-SEP-1984 04:27:42 [UETPSY.SRC]SATSSF04.MAR;1

00000000 00000004 0000 00000008 0004 00000044 0008 007480D9 0044 0000004C 0048	135 .PSECT 136 TPID: 137 CURRENT TC: 138 REG_SAVE_AREA: 139 MOD_MSG_CODE: 140 CLOB_REG_NO:	RWDATA, RD, WRT, NOEXE .BLKL 1 .BLKL 15 .LONG UETP\$_SATSMS	PROCESS ID FOR THIS PROCESS PTR TO CURRENT TEST CASE SAVE AREA FOR ALL REGS (SANS PC) TEST MODULE MSG CODE FOR PUTMSG CLOBBERED REG NO (FOR FAO ERR MSG)
00000050 004C 0050 0000054 0050	141 REG_BEFORE_SS:	BLKL 1	REG CONTENTS BEFORE S.S (FOR FAO ERROR MSG)
00000054 0050 0054 0054	143 REG_AFTER_SS:	.BLKL 1	REG CONTENTS AFTER S.S (FOR FAO ERROR MSG)
0000006E 005C 00000077 0060 00000070 0068 00000071 0070 00000079 0071 0000007D 0079 00000091 007D	145 \$\$TSTN\$\$: 146 TMN_ADDR: 147 TMD_ADDR: 148 TS_EP: 149 RETADR: 150 PRVPRT: 151 PRIVMASK: 152 CHM_CONT:	STRING C, < SF > .ADDRESS TEST_MOD_NAME .ADDRESS TEST_MOD_BEG .BLKL 1 .BLKL 2 .BLKB 1 .BLKQ 1 .BLKL 1	ASCII PORTION OF TEST CASE NAME ADDR OF TEST MOD NAME FOR FAO ADDR OF T.M. DISP FIELD FOR FAO ENTRY PNT FOR CURR TESTSERV MACRO RETURN LONGWORDS FOR SETPRT PROT RETURN BYTE FOR SETPRT ADDR OF PRIVILEGE MASK (IN PHD) CHANGE MODE CONTINUE ADDRESS
00000095 0091	153 REGS:	.BLKL 5	AREA FOR COND INDEX REGS (R2-R6)
0000009D 0099	155 EFN_STM12: 156 EFN_STM13:	.BLKL 1	: EFN ARGUMENT FOR SETIMR : EFN ARGUMENT FOR SETIMR
000000A1 009D 000000A9 00A1 000000B7 00A9	157 EFN_STM14: 158 TIMADR_GTT: 159 TIMBUF_NMT:	.BLKL 1 .BLKQ 1 .BLKW 7	: EFN ARGUMENT FOR SETIMR : TIMADR ARGUMENT FOR GETTIM : TIMBUF ARGUMENT FOR NUMTIM
000000B9 00B7 00B9	160 TIMLEN ATM: 161 TIMBUF ATM:	BLKW 1 STRING 0,24	TIMLEN ARGUMENT FOR ASCTIM
000000E1 00D9	162 TIMADE BTM:	.BLKQ 1	TIMADE ARGUMENT FOR BINTIM

.PSECT SATSSFO4, RD, WRT, EXE, LONG

DAYTIM ARGUMENT FOR SETIMR

; TIMADR ARGUMENT FOR NUMTIM

00000010

00000018

0000000

DAYTIM_STM21: TIMADR_NMT21:

.SBTTL SATSSF04

: FUNCTIONAL DESCRIPTION:

AFTER PERFORMING SOME INITIAL HOUSEKEEPING, SUCH AS PRINTING THE MODULE BEGIN MESSAGE AND ACQUIRING ALL PRIVILEGES, THE SATSSFO4 ROUTINE EXECUTES THE TEST SERV EXEC MACRO TO RUN ALL TEST CASES. WHEN THE MACRO COMPLETES ITS EXECUTION, SATSSFO4 PRINTS A TEST MODULE SUCCESS OR FAIL MESSAGE AND EXITS TO THE OPERATING SYSTEM. TEST SERV EXEC CALLS THE TC CONTROL/TESTSERV CO-ROUTINE PAIR ONCE PER TEST CASE GROUP TO EXECUTE ALL TEST CASES IN THAT GROUP. EACH TEST CASE GROUP IS DEFINED BY BOUNDING ITS TEST CASES WITH A TC GROUP MACRO BEFORE THE FIRST TEST CASE AND A TCEND MACRO AFTER THE LAST ONE. THE TEST CASES THEMSELVES ARE DEFINED WITHIN THESE BOUNDS BY PRECEDING EACH WITH A NEXT TEST CASE MACRO. TC CONTROL/TESTSERV EXECUTES THE CODE FOLLOWING EACH NEXT TEST CASE MACRO IMMEDIATELY BEFORE ISSUING THE SYSTEM SERVICE AS REQUESTED IN THE TESTSERV MACRO. TC CONTROL/TESTSERV ALSO CHECKS THE RESULTS OF THE SERVICE WITH RESPECT TO ITS EXPECTED STATUS CODE AND PRINTS ANY REQUIRED FAILURE MESSAGES FOR THE TEST CASE. THE CODE APPEARING AFTER EACH NEXT TEST CASE MACRO IS MERELY TO SET UP CONDITIONS REQUIRED FOR THE SYSTEM SERVICE AND TO CLEAN UP ANY RESOURCES ACQUIRED BY THE PREVIOUS TEST CASE.

CALLING SEQUENCE:

\$ RUN SATSSFO4 ... (DCL COMMAND)

INPUT PARAMETERS:

NONE

IMPLICIT INPUTS:

NONE

OUTPUT PARAMETERS:

NONE

IMPLICIT OUTPUTS:

MESSAGES TO SYSSOUTPUT ARE THE ONLY OUTPUT FROM SATSSFO4. THEY ARE OF THE FORM:

XUETP-S-SATSMS, TEST MODULE SATSSFO4 BEGUN ... (BEGIN MSG)
XUETP-S-SATSMS, TEST MODULE SATSSFO4 SUCCESSFUL ... (END MSG)
XUETP-E-SATSMS, TEST MODULE SATSSFO4 FAILED ... (END MSG)
XUETP-I-TEXT, ... (VARIABLE INFORMATION ABOUT A TEST MODULE FAILURE)

COMPLETION CODES:

THE SATSSFO4 ROUTINE TERMINATES WITH A SEXIT TO THE OPERATING SYSTEM WITH A STATUS CODE DEFINED BY UETPS_SATSMS.

SIDE EFFECTS:

```
- SATS SYSTEM SERVICE TESTS (FAILING S. 16-SEP-1984 00:32:49 VAX/VMS Macro V04-00 SATSSF04
SATSSF04
V04-000
                                                                NONE
                                                       SATSSF04:
                                                                        *M<R2,R3,R4,R5,R6,R7,R8,R9,R10,R11>
: ENTRY MASK
TPID : GET PID OF THIS PROCESS
                                   OFFC
                                                                . WORD
                                                             00000060'EF
                    0000007D'EF
03 00 01
                                     DE
               59 00000000'9F
00000071'EF 69
                                     DO
                               69
                                     DE
                                                                                                      SET NOACCESS PSECT ... FOR NO USER ACCESS GO EXECUTE ALL TEST CASES
                             0B29
                                     31
                                                                TC GROUP STM.1.TS1
NEXT_TEST_CASE SFSTM10
```

- SATS SYSTEM SERVICE TESTS (FAILING S. 16-SEP-1984 00:32:49 VAX/VMS Macro V04-00 Page 8 SFSTM10 S-SEP-1984 04:27:42 [UETPSY.SRC]SATSSF04.MAR;1

NEXT_TEST_CASE SFSTM11

(1)

SATSSF04
v04-000

- SATS SYSTEM SERVICE TESTS (FAILING S. 16-SEP-1984 00:32:49 VAX/VMS Macro v04-00 Paid v04-000 SFSTM11

- SATS SYSTEM SERVICE TESTS (FAILING S. 16-SEP-1984 00:32:49 VAX/VMS Macro v04-00 Paid v04-000 Paid v04-

10

00000095'EF

MOVZBL #128, EFN_STM12 ; ILLEGAL EVENT FLAG NUMBER

NEXT_TEST_CASE SFSTM13

TEST CASE NAME: SFSTM14 SYSTEM SERVICE: SETIMA 38901233995 3991233996789901234404404 ARGUMENT UNDER TEST: EFN_STM14 INPUT CONDITIONS:
PROCESS NEVER ASSOCIATED WITH SPECIFIED CLUSTER (3). EXPECTED RESULTS:
1) SYSTEM STATUS CODE: UNASEFC
2) REGISTERS R2 THROUGH FP UNCHANGED

0000009D'EF

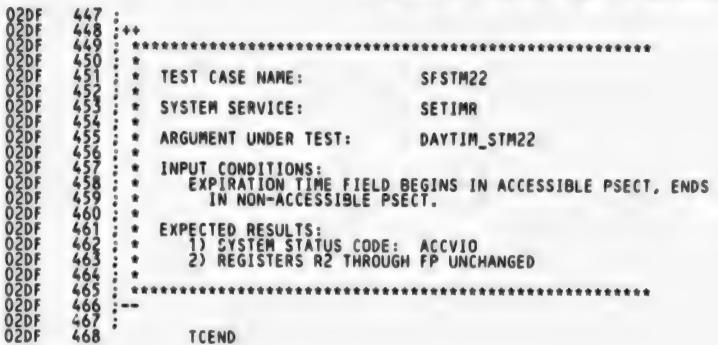
MOVZBL #100, EFN_STM14 ; EVENT FLAG IN UNASSOCIATED CLUSTER

NEXT_TEST_CASE SFSTM20

SATSSF04 V04-000 - SATS SYSTEM SERVICE TESTS (FAILING S. 16-SEP-1984 00:32:49 VAX/VMS Macro V04-00 Page 13 5-SEP-1984 04:27:42 [UETPSY.SRC]SATSSF04.MAR;1 (1)

02C7 406
02C7 407
02C7 408
02C7 409
02C7 410
02C7 411
02C7 411
02C7 412
02C7 413
02C7 413
02C7 414
02C7 415
02C7 415
02C7 416
02C7 417
02C7 418
02C7 418
02C7 419
02C7 419
02C7 420
02C7 420
02C7 420
02C7 421
02C7 422
02C7 423
02C7 424
02C7 425
02C7 425
02C7 426
02C7 427
02C7 427
02C7 428
02C7 429
02C7 420
02C7 421
02C7 422
02C7 422
02C7 423
02C7 424
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02C7 425
02C7 426
02C7 427
02C7 428
02C7 429
02C7 420
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02C7 426

SATSSF04 V04-000 - SATS SYSTEM SERVICE TESTS (FAILING S. 16-SEP-1984 00:32:49 VAX/VMS Macro V04-00 Page 14 5-SEP-1984 04:27:42 [UETPSY.SRC]SATSSF04.MAR;1 (1)



- SATS SYSTEM SERVICE TESTS (FAILING S. 16-SEP-1984 00:32:49 VAX/VMS Macro V04-00 Page 16 5-SEP-1984 04:27:42 [UETPSY.SRC]SATSSF04.MAR;1 (1)

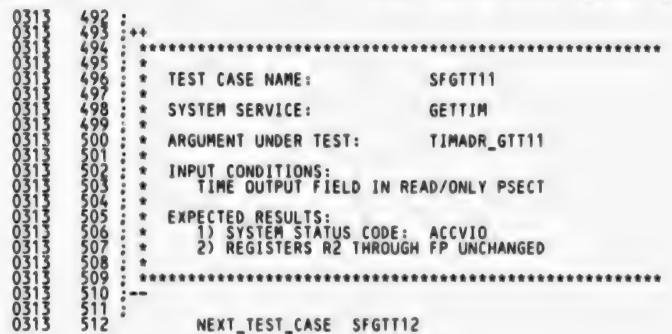
SAT

02E0 469 TC_GROUP GTT.1.TS2 0307 470 NEXT_TEST_CASE SFGTT10

- SATS SYSTEM SERVICE TESTS (FAILING S. 16-SEP-1984 00:32:49 VAX/VNS Macro V04-00 Page 17 SFGTT10 S-SEP-1984 04:27:42 [UETPSY.SRC]SATSSF04.MAR;1 (1)

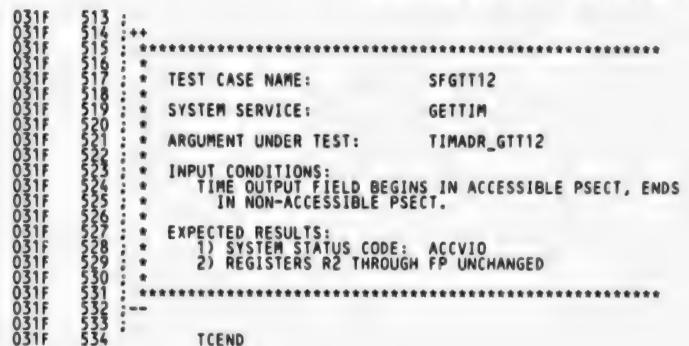
0307 471
0307 473
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SATSSF04 V04-000 - SATS SYSTEM SERVICE TESTS (FAILING S. 16-SEP-1984 00:32:49 VAX/VMS Macro V04-00 Page 18 5-SEP-1984 04:27:42 [UETPSY.SRC]SATSSF04.MAR;1 (1)



- SATS SYSTEM SERVICE TESTS (FAILING S. 16-SEP-1984 00:32:49 VAX/VMS Macro V04-00 Page 19 SFGTT12 S-SEP-1984 04:27:42 [UETPSY.SRC]SATSSF04.MAR;1 (1)

SA VO



- SATS SYSTEM SERVICE TESTS (FAILING S. 16-SEP-1984 00:32:49 VAX/VMS Macro V04-00 Page 20 5-SEP-1984 04:27:42 [UETPSY.SRC]SATSSF04.MAR;1 (1)

SA

0320 535 TC_GROUP NMT.1.TS3
0347 536 NEXT_TEST_CASE SFNMT10

SATSSF04 V04-000 - SATS SYSTEM SERVICE TESTS (FAILING S. 16-SEP-1984 00:32:49 VAX/VMS Macro V04-00 Page 21 5-SEP-1984 04:27:42 [UETPSY.SRC]SATSSF04.MAR;1 (1)

TEST CASE NAME: SFNMT11 SYSTEM SERVICE: NUMTIM ARGUMENT UNDER TEST: TIMBUF_NMT11 INPUT CONDITIONS: TIME BUFFER IN READ/ONLY PSECT EXPECTED RESULTS:

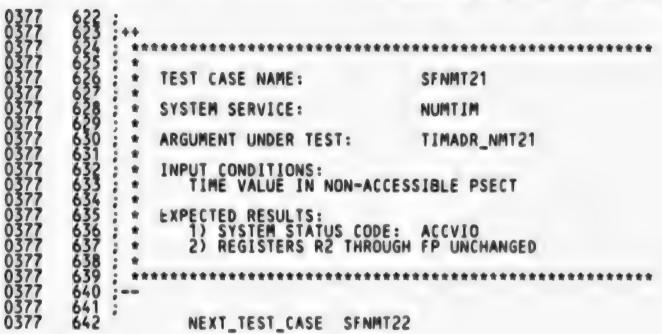
1) SYSTEM STATUS CODE: ACCVIO

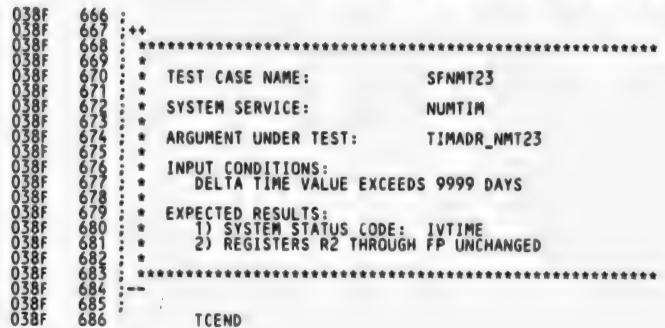
2) REGISTERS R2 THROUGH FP UNCHANGED

NEXT_TEST_CASE SFNMT12

035F 580
035F 581
035F 582
035F 583
035F 584
035F 585
035F 586
035F 586
035F 587
035F 588
035F 588
035F 588
035F 588
035F 588
035F 588
035F 589
035F 590
035F 591
035F 592
035F 592
035F 593
035F 594
035F 595
035F 596
035F 596
035F 597
035F 598
035F 598
035F 599

NEXT_TEST_CASE SFNMT21

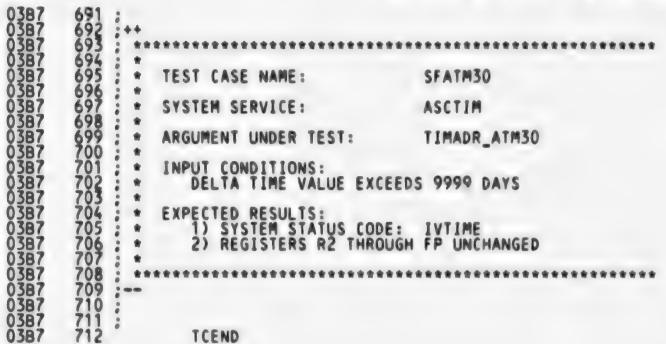




- SATS SYSTEM SERVICE TESTS (FAILING S. 16-SEP-1984 00:32:49 VAX/VMS Macro V04-00 Page 29 5-SEP-1984 04:27:42 [UETPSY.SRC]SATSSF04.MAR;1 (2)

0390 687 : 0390 688 TC_GROUP ATM,1,TS4 0387 689 : 0387 690 NEXT_TEST_CASE SFATM30

SAVO



SATSSF04 V04-000 - SATS SYSTEM SERVICE TESTS (FAILING S. 16-SEP-1984 00:32:49 VAX/VMS Macro V04-00 Page 31 5-SEP-1984 04:27:42 [UETPSY.SRC]SATSSF04.MAR;1 (2)

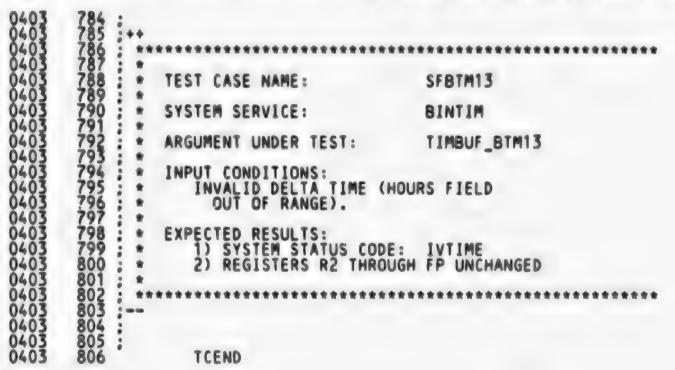
03B8 713 TC_GROUP BTM,1,TS5 03DF 714; 03DF 715 NEXT_TEST_CASE SFBTM10

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03DF 717
03DF 718
03DF 719
03DF 720
03DF 720
03DF 721
03DF 721
03DF 722
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03EB 740
03EB 741
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NEXT_TEST_CASE SFBTM13



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- SATS SYSTEM SERVICE TESTS	(FAILING S. 16-SEP-1984 00 5-SEP-1984 00	0:32:49 VAX/VMS Macro V04-00 4:27:42 [UETPSY.SRC]SATSSF04.MAR;1	Page	36 (2)
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0404	807 TS1:	TESTSERV	SETIMR, ERR, SATS,		-
0404 0404 0404 0404 0404 0404	810 811 812 813 814 815	<1,EFN_STM,	EFN_STM10.ILLEFC. EFN_STM11.ILLEFC. EFN_STM12.ILLEFC. EFN_STM13.ILLEFC. EFN_STM14.UNASEFC.	- : SFSTM10 - : SFSTM11 - : SFSTM12 - : SFSTM13 - : SFSTM14	•
0404 0404 0404 0404 0404	817 818 819 820 821 822	<1,DAYTIM_S1	M, DAYTIM_STM20.ACCVID. DAYTIM_STM21.ACCVID. DAYTIM_STM22.ACCVID.	- : SFSTM20 - : SFSTM21 - : SFSTM22	-
0404 0404 0404	823 824 825	<1,ASTADR_S1	M,	>,	-
0404 0404 0404 0404	824 825 826 827 828 829 830	<1,REQIDT_S1	M,	>,	-
06AA	830	TS_CLEANUP	: CLEAN UP &	RETURN TO TEST_SERV_EXEC	

SATSSF04 V04-000	- SATS SYSTEM SERVICE	TESTS (FAILING	S. 16-SEP-1984 00:32:49 5-SEP-1984 04:27:42	VAX/VMS Macro V04-00 CUETPSY.SRCJSATSSF04.MAR;1	Page	37
	06CA 831 TS2: 06CA 833 06CA 835 06CA 835 06CA 836 06CA 837 06CA 838 06CA 839 0790 840	TESTSERV <1,TIMADR_	GETTIM, ERR, SATS, GTT, fimadr_GTT10, ACCVIO, TIMADR_GTT11, ACCVIO, TIMADR_GTT12, ACCVIO,	- : SFGTT10 - : SFGTT11 - : SFGTT12 - : SFGTT12 - : SFGTT12		

- SATS SYST	TEM SERVICE	TESTS (FAILING S	. 16-SEP-1984 00:32:49 5-SEP-1984 04:27:42	VAX/VMS Macro V04-00 [UETPSY.SRC]SATSSF04.MAR;1	Page	39 (2)
0959 0959 0959	858 TS4: 859	TESTSERV	ASCTIM, ERR, SATS,	-		
0959 0959 0959	861 862 863	<1,TIMLEN_AT	М,	>,		
0959 0959	864 865 866	<1,TIMBUF_AT		>,		
0959 0959	867 868 869	<1,TIMADR_AT	Mfimadr_atm30,1vtime,	- ; SFATM30		
0959 0959	870 871	<1,CVTFLG_AT				

: CLEAN UP & RETURN TO TEST_SERV_EXEC

TS_CLEANUP

```
- SATS SYSTEM SERVICE TESTS (FAILING S. 16-SEP-1984 00:32:49 VAX/VMS Macro V04-00 Page 40 5-SEP-1984 04:27:42 [UETPSY.SRC]SATSSF04.MAR;1 (2)
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SI

0BE7 0BE7	875 TS5:	TESTSERV	BINTIM, ERR, SATS,		•
08E7 08E7	878 879	<1,TIMBUF_B	TM . fimbur_btm10, ivtime,	- ; SFBTM10	-
08E7 08E7 08E7	880 881 882		TIMBUF_BTM10, IVTIME, TIMBUF_BTM11, IVTIME, TIMBUF_BTM12, IVTIME, TIMBUF_BTM13, IVTIME,	- : SFBTM11 - : SFBTM12 - : SFRTM13	
OBE7	883 884			>,	-
08E7 08E7	885 886 887	<1,TIMADR_B	TM,	>,	-
OD4A	888	TS_CLEANUP	: CLEAN UP & I	RETURN TO TEST_SERV_EXEC	

SATSSF04 V04-000	- SATS SYSTEM SERVICE TESTS (FAILING S. 16-SEP-1984 00:32:49 VAX/VMS Macro V04-00 Page 41 EXECUTE & CLEANUP S-SEP-1984 04:27:42 [UETPSY.SRC]SATSSF04.MAR;1 (2)
00000044'EF 01 1C 01	ODGA 890 EXECUTE: ODGA 891

- SATS SYSTEM SERVICE TESTS (FAILING S. 16-SEP-1984 00:32:49 VAX/VMS Macro V04-00 TC_CONTROL 5-SEP-1984 04:27:42 [UETPSY.SRC]SATSSF04.MAR;1 42 (2)

.SBTTL TC_CONTROL

FUNCTIONAL DESCRIPTION:

THE TC CONTROL SUBROUTINE IS CALLED BY THE TEST_SERV_EXEC MACRO TO EXECUTE A GROUP OF TEST CASES. A GROUP IS DEFINED BY A TC GROUP MACRO. FOR EACH TC GROUP MACRO. THERE IS A CORRESPONDING TESTSERV MACRO. TESTSERV CONTAINS CODE TO EXECUTE SYSTEM SERVICES AND CHECK THE RETURNED STATUS CODE VALUES. TESTSERV ARGUMENTS ARE CODED TO SPECIFY ALL THE SYSTEM SERVICE ARGUMENT VALUES AND THE EXPECTED STATUS CODE FOR EACH TEST CASE DEFINED BY A NEXT TEST CASE MACRO WITHIN THE GROUP. TC CONTROL USES A CO-ROUTINE INTERFACE TO ENTER THE CODE OF THE APPROPRIATE TESTSERV MACRO IN VARIOUS PLACES. THE FIRST ENTRY OCCURS ONCE PER GROUP TO ALLOW TESTSERV TO DO SOME INITIALIZATION. THEN TWO ENTRIES ARE MADE FOR EACH TEST CASE IN THE GROUP. THE FIRST ALLOWS TESTSERV TO ISSUE THE SUBJECT SYSTEM SERVICE. THE SECOND ENTRY FOR THE TEST CASE CAUSES TESTSERV TO CHECK THE RETURNED STATUS CODE, PRINTING A FAILURE MESSAGE IF IT IS NOT THE EXPECTED CODE. IF THERE ARE NO MORE TEST CASES IN THE CURRENT GROUP, TESTSERV (NOT TC CONTROL) RETURNS DIRECTLY TO TEST SERV EXEC (RSB ACTUALLY ISSUED IN TS CLEANUP MACRO) FROM THIS SECOND ENTRY; OTHERWISE, CONTROL RETURNS TO TC CONTROL WHICH IN TURN ENTERS TESTSERV AGAIN FOR THE NEXT TEST CASE. THE FAILURE OF A TEST CASE DOES NOT CAUSE TERMINATION OF THE TEST MODULE. TEST CASE DOES NOT CAUSE TERMINATION OF THE TEST MODULE.

CALLING SEQUENCE:

BSBW TC_CONTROL (ISSUED WITHIN THE TEST_SERV_EXEC MACRO) (RSB IS ISSUED WITHIN THE TS_CLEANUP MACRO)

INPUT PARAMETERS:

NONE

IMPLICIT INPUTS:

ARGUMENTS SPECIFIED ON EACH TESTSERV MACRO MAY BE VIEWED AS INPUTS, SINCE TC_CONTROL AND TESTSERV ACT AS CO-ROUTINES.

GUTPUT PARAMETERS:

SEVERITY CODE FIELD OF MOD_MSG_CODE (BITS 0,1,2) IS SET TO ERROR IF ANY TEST CASE IN THE CURRENT GROUP FAILS: OTHERWISE IT REMAINS SET TO SUCCESSFUL.

IMPLICIT OUTPUTS:

ERROR MESSAGES ARE WRITTEN TO SYSSOUTPUT BY XUETP-I-TEXT. THE TESTSERV MACRO (CO-ROUTINE WITH TC_CONTROL)

COMPLETION CODES:

NONE

SIDE EFFECTS:

NONE

0DB5 0DB5 0DB5 0DB5 ODB5

0D85

ODB5

ODB5

ODB5 ODB5 ODB5 ODB5

ODB5 ODB5 ODB5 ODB5 **OD85 ODB5** ODB5 ODB5 **ODB5 ODB5**

0085 ODB5 **ODB5**

ODB5

ODB5 **ODB5**

ODB5 **ODB5**

ODB5

ODB5

ODB5 **ODB5** ODB5

ODB5 ODB5

ODB5 ODB5

ODB5

ODB5 ODB5

ODB5 ODB5

ODB5 ODB5

ODB5 ODB5

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ODB5 ODB5

0D85

900

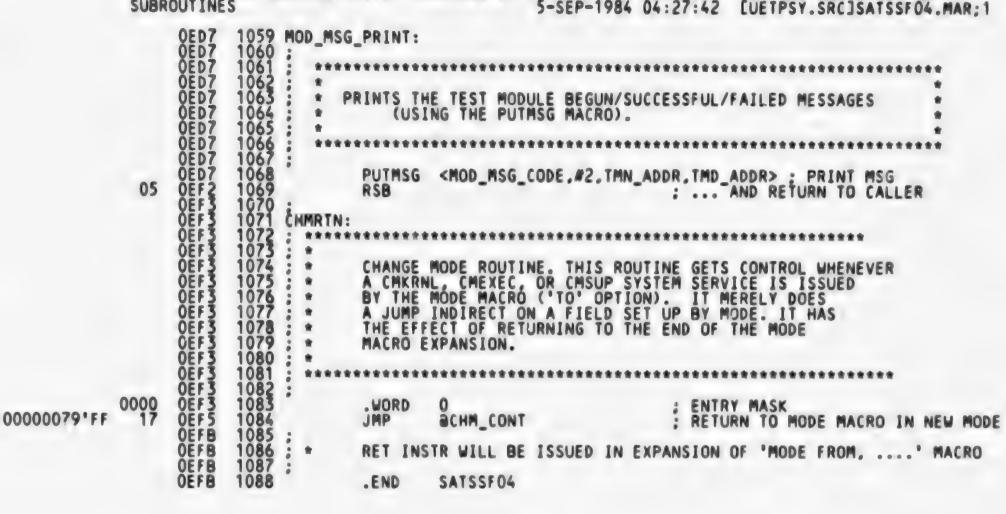
901

916

(2)

	0E17 101 0E17 101 0E17 101 0E17 101 0E17 101 0E17 101 0E17 101 0E17 101 0E17 102 0E17 102	1) PUSHES ALL REGS ONTO STACK 2) COMPARES REGISTER IMAGES FROM STACK WITH CORRESPONDING IMAGES FROM REG SAVE AREA FOR ALL REGISTERS SPECIFIED IN REG COMP MASK. 3) FOR EACH UNEQUAL COMPARE, AN ERROR MESSAGE IS PRINTED (USING SFAO AND SOUTPUT SYSTEM SERVICES). 4) POPS ALL REGS OFF OF STACK
7FFF 8F 00000008 EF	0E17 102 BB 0E17 102 DE 0E1B 102	PUSHR #RO_THRU_SP ; SAVE ALL REGISTERS ON STACK MOVAL REGISAVE AREA.R6 ; POINT R6 TO BEG OF
54 SE	DO 0E22 102	MOVL SP,R4 ; POINT R4 TO BEG OF
53 FF 8F	98 0E25 102	CVTBL #-1,R3 : REGS (AFTER S.S.) INITIALIZE REG_COMP_MASK INDEX
53 OF 03 009F	0E22 102 00 0E22 102 0E25 102 98 0E25 102 0E29 103 0E29 103 91 0E2B 103 1A 0E2E 103 31 0E30 103	INCL R3 ; POINT TO NEXT BIT IN MASK CMPB #15,R3 ; END OF THE MASK ? BGTRU REG COMP CONT : NO CONTINUE
84 86 F1 E9 00000000°EF 53	31 0E30 103 0E33 103 D1 0E33 103 13 0E36 103 E1 0E38 103 0E40 103	B BRC RS.REG COMP MASK.REG COMP NEXT
00000048'EF 53 0000004C'EF FC A6 00000050'EF FC A4 00000056'EF 2A	DO 0E40 104 DO 0E47 104 DO 0E4F 104 90 0E57 104	MOVL R3,CLOB REG NO ; NO GIVE REG NUMBER TO FAO MOVL -4(R6),REG_BEFORE_SS ; GIVE 'BEFORE' CONTENTS TO FAO MOVL -4(R4),REG_AFTER_SS ; GIVE 'AFTER' CONTENTS TO FAO MOVB #^A/*/,\$\$TSTN\$\$+2 ; GIVE FAILURE INDIC'N IN ERROR MSG
	0E5E 104 0E5E 104 0E5E 104	\$FAO_S ERR MSG FAOCTL,OUTL,OUTD,\$\$SNAD\$\$, — \$\$ASEQ\$\$,\$\$PSEQ\$\$,CLOB REG NO.REG BEFORE SS.REG AFTER SS
F27C CF F246 CF F260 CF 0084 8F 00000056 EF 20 00000060 EF 00000088 EF 00000044 EF 03 00 02 FF57	0E91 104 0E98 104 0E98 105 90 0EB4 105 DE 0EBB 105 F0 0EC6 105 31 0ECF 105	MOVW GUTL, OUTD; ACTUAL OUTPUT LEN IN STRING DESC'R PUTMSG < "'ETP\$ TEXT, M1, MOUTD>; PRINT THE MSG MOVW MOULE-OUTB, OUT); GET MAX LEN BACK INTO DESCRIPTOR MOVB M^A//, \$\$T\$TN\$%+2; REMOVE FAIL INDIC'N FOR NEXT MSG MOVAL TEST MOD FAIL; MD ADDR; INDICATE FAILED IN END MSG INSV MERROR, MO, M3, MOD_MSG_CODE; ADJUST STATUS CODE FOR ERROR BRW REG_COMP_NEXT; GO LOOK FOR NEXT REG TO COMPARE
7FFF 8F	BA 0ED2 105 05 0ED6 105	POPR #RO_THRU_SP ; CLEAN UP STACK RSB ; RETURN TO CALLER





SATSSF04

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- SATS SYSTEM SERVICE TESTS (FAILING S. 16-SEP-1984 00:32:49 VAX/VMS Macro V04-00 5-SEP-1984 04:27:42 [UETPSY.SRC]SATSSF04.MAR;1
 SATSSF04
                                                                                                                                                                                                                                                                                               48
                                                                                                                                                                                                                                                                                  Page
 Symbol table
TIMADR GTT
TIMADR GTT10
TIMADR GTT11
TIMADR GTT11
TIMADR GTT12
TIMADR NMT
TIMADR NMT20
TIMADR NMT21
TIMADR NMT21
TIMADR NMT23
TIMBUF NMT23
TIMBUF BTM
TIMBUF BTM
TIMBUF BTM10
TIMBUF BTM11
TIMBUF BTM12
TIMBUF BTM11
TIMBUF NMT11
TIMBUF NMT12
TIMBUF NMT11
TIMBUF NMT12
TIMBUF NMT11
                                                                    03
                                                                                                           02
04
02
                                                                                                           TS1
TS2
TS3
TS4
TS5
TS EP
TTNAME
UETPS_SATSMS
UETPS_TEXT
WARNING
                                                                     = 00000000
                                                                                                               Psect synopsis
 PSECT name
                                                                        Allocation
                                                                                                                    PSECT No.
                                                                                                                                            Attributes
                                                                        00000000
00000000
000001A4
                                                                                                                                                                                                      LCL NOSHR
                                                                                                                                                                                         ABS
REL
REL
REL
 SABS
                                                                                                                                                                            CON
CON
CON
CON
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                                                                                                                                                              USR
                                                                                                                                                                                                              NOSHR NOEXE NORD
                                                                                                                                                                                                                                                       NOWRT
                                                                                                                                                                                                                                                                    NOVEC BYTE
                                                                                                                                            NOPIC
NOPIC
NOPIC
NOPIC
NOPIC
NOPIC
                                                                                                                                                              USR
                                                                                                                                                                                                                                                                                 BYTE
                                                                                                                                                                                                                                              RD
                                                                                                                                                                                                                                                           WRT
                                                                                                                                                                                                                                                                    NOVEC
 RODATA
                                                                                                                                                              USR
                                                                                                                                                                                                              NOSHR NOEXE
                                                                                                                                                                                                                                                       NOWRT
                                                                                                                                                                                                                                                                    NOVEC
                                                                                                                                                                                                                                                                                  LONG
                                                                                                                                                                                                                           NOE XE
NOE XE
NOE XE
                                                                                                                                                              USR
                                                                                                                                                                                                                                              RD
RD
                                                                                                                                                                                                                                                                    NOVEC
 RUDATA
                                                                                                                                                                                                                                                           WRT
                                                                                                                                                                                                                                                                                  BYTE
 SATS_ACCVIO_1
SATS_ACCVIO_2
SATSSF04
                                                                                                                                                                                                                                                            WRT
                                                                                                                                                                                                                                                                    NOVEC
                                                                                                                                                                                                                                                                                 PAGE
                                                                                                                                                                            CON
                                                                                                                                                                                                                                              RD
                                                                                                                                                                                                                                                                    NOVEC
                                                                                                                                                              USR
                                                                                                                                                                                                                                                           WRT
                                                                                                                                                                                                                                                                                 PAGE
                                                                        00000EFB
                                                                                                                                                                                                                                 EXE
                                                                                                                                                                                                                                                            WRT
                                                                                                                                                                                                                                                                    NOVEC LONG
                                                                                                      ! Performance indicators
                                                         Page faults
                                                                                          CPU Time
                                                                                                                           Elapsed Time
 Phase
 ----
                                                                                                                           00:00:01.36
00:00:06.42
00:00:32.79
                                                                                          00:00:00.06
00:00:00.79
00:00:15.45
                                                                        37
136
485
 Initialization
 Command processing
 Pass 1
```

SATSSF04
VAX-11 Macro Run Statistics

- SATS SYSTEM SERVICE TESTS (FAILING S. 16-SEP-1984 00:32:49 VAX/VMS Macro V04-00 Page 49
S-SEP-1984 04:27:42 [UETPSY.SRC]SATSSF04.MAR;1 (2)

Symbol table sort
Pass 2
Symbol table output
18 00:00:00.13 00:00:00.13
Psect synopsis output
2 00:00:00.03 00:00:00.03
Cross-reference output
Assembler run totals
963 00:00:21.15 00:00:52.01

The working set limit was 1650 pages.
80218 bytes (157 pages) of virtual memory were used to buffer the intermediate code.
There were 30 pages of symbol table space allocated to hold 347 non-local and 160 local symbols.
1088 source lines were read in Pass 1, producing 32 object records in Pass 2.
64 pages of virtual memory were used to define 48 macros.

! Macro library statistics !

Macro library name	Macros defined
_\$255\$DUA26:[SHRLIB]UETP.MLB;1	19
-\$255\$DUAZB:LSYS.OBJJLIB.MLB;1	23
_\$255\$DUA28:[SHRLIB]UETP.MLB;1 _\$255\$DUA28:[SYS.OBJ]LIB.MLB;1 _\$255\$DUA28:[SYSLIB]STARLET.MLB;2 TOTALS (all libraries)	23 42

975 GETS were required to define 42 macros.

There were no errors, warnings or information messages.

MACRO/LIS=LIS\$:SATSSF04/OBJ=OBJ\$:SATSSF04 MSRC\$:SATSSF04/UPDATE=(ENH\$:SATSSF04)+EXECML\$/LIB+SHRLIB\$:UETP/LIB

AH-BT13A-SE DIGITAL EQUIPMENT CORPORATION VAX/VMS V4.0 CONFIDENTIAL AND PROPRIETARY E. Defferment Williams Williams Tilliams The second secon E ESSE M416 15 · The second secon The same THE STATE OF THE S MONTH SALES

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